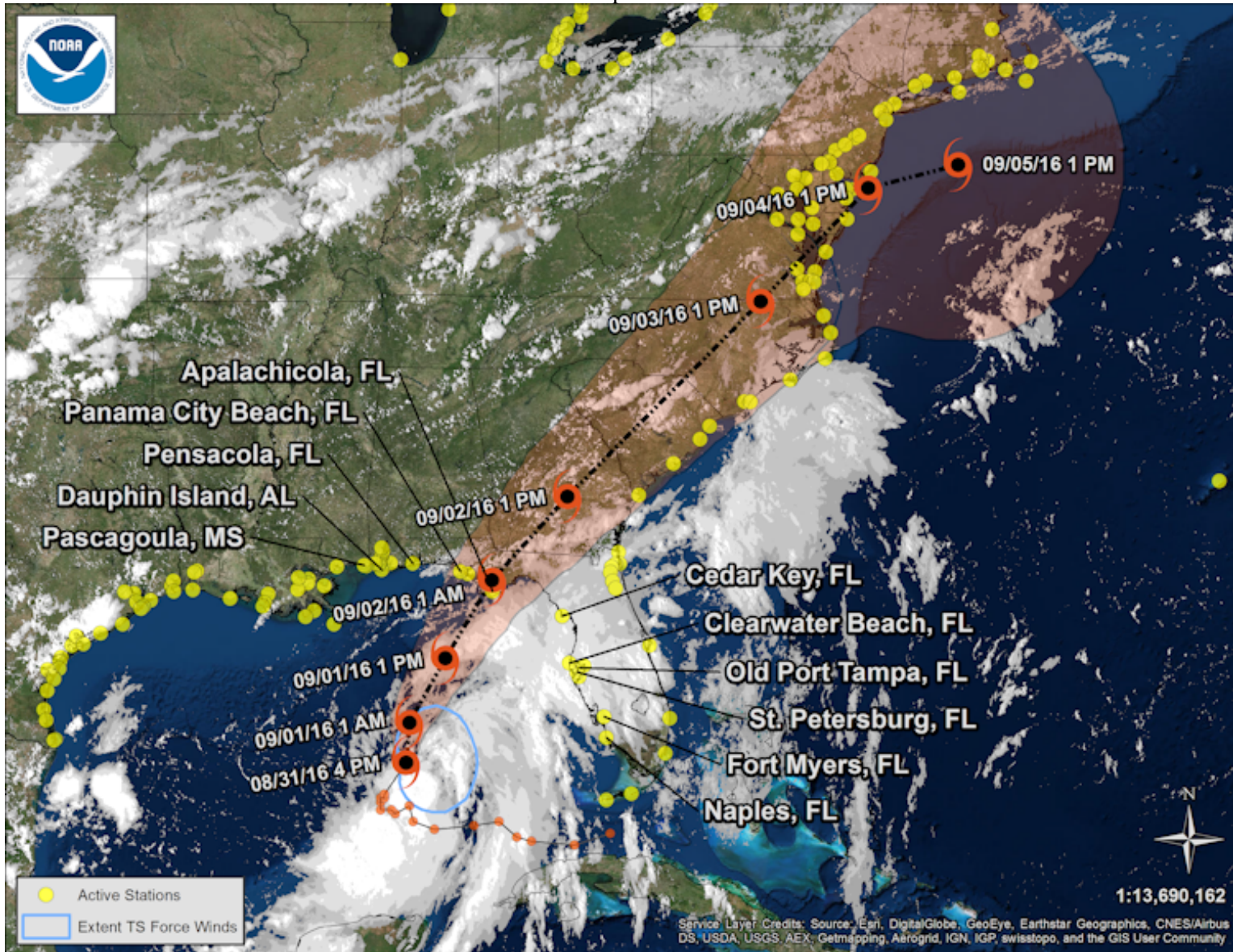




Tropical Storm HERMINE QuickLook Posted: 17:00 CDT 08/31/2016

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 8/31/2016 17:00 CDT, water levels along the Gulf Coast from Mississippi to Naples, FL are elevated and range from 1.0 to 2.25 feet above normal tide levels. Winds range between 5 and 15 knots with slightly higher gusts. Barometric pressure is slowly falling across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: AJC

SELECT NATIONAL HURRICANE CENTER

TROPICAL STORM HERMINE ADVISORY NUMBER 13

NWS NATIONAL HURRICANE CENTER MIAMI FL

400 PM CDT WED AUG 31 2016

...HERMINE HEADED FOR THE FLORIDA GULF COAST...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Hurricane Watch and Tropical Storm Warning have been extended westward along the Florida panhandle to Destin.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Hurricane Watch is in effect for...

* Anclote River to Destin

A Tropical Storm Warning is in effect for...

* Anclote River to Destin

A Tropical Storm Watch is in effect for...

* Marineland Florida to Altamaha Sound Georgia

Interests along the United States east coast from Georgia through the Carolinas should monitor the progress of this system.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

At 400 PM CDT, the center of Tropical Storm Hermine was located about 325 MI SSW of Apalachicola, Florida. Hermine is moving toward the north-northeast near 7 mph, and this motion with an increase in forward speed is expected to continue through Thursday. On the forecast track, the center will be near the coast in the warning area Thursday night.

Maximum sustained winds are near 45 mph with higher gusts. Additional strengthening is forecast during the next 36 hours, and Hermine could be near hurricane strength by the time landfall occurs.

Tropical-storm-force winds extend outward up to 125 miles from the center, mainly to the east and southeast.

The minimum central pressure reported by a NOAA Hurricane Hunter aircraft is 1004 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected to first reach the coast within the warning area on Thursday afternoon. Hurricane conditions are possible over portions of the hurricane watch area beginning Thursday afternoon. Tropical storm conditions are possible in the tropical storm watch area by early Friday.

STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. There is a danger of life-threatening inundation within the next 36 hours along the Gulf coast of Florida from Aripeka to Indian Pass. For a depiction of areas at risk, please see the Prototype National Weather Service Storm Surge Watch/Warning Graphic. Persons located within these areas should take all necessary actions to protect life and property from rising water. Promptly follow any instructions, including evacuation orders, from local officials.

The water could reach the following heights above ground if the peak surge occurs at the time of high tide...

Destin to Indian Pass...1 to 3 feet

Indian Pass to Chassahowitzka...4 to 6 feet

Chassahowitzka to Aripeka...2 to 4 feet

Aripeka to Bonita Beach...including Tampa Bay...1 to 3 feet

The Prototype National Weather Service Storm Surge Watch/Warning Graphic is a depiction of areas that would qualify for inclusion under a storm surge watch or warning currently under development by the National Weather Service and planned for operational use in 2017. This prototype graphic is available at www.hurricanes.gov/graphics_at4.shtml?wsurge

RAINFALL: Hermine is expected to produce storm total rainfall amounts of 5 to 10 inches over portions of northwest Florida through Friday, with isolated maximum amounts of 20 inches possible. Rainfall totals of 4 to 8 inches are expected across portions of the southeastern United States from southeast Georgia, central to eastern South Carolina and eastern North Carolina, with local amounts of 10 inches possible through Saturday. These rains may cause life-threatening flooding and flash flooding.

TORNADOES: Isolated tornadoes are possible late tonight into Thursday morning mainly across central Florida. A few tornadoes are possible Thursday afternoon into Thursday night over north Florida and southeast Georgia.

NEXT ADVISORY

Next intermediate advisory at 700 PM CDT.

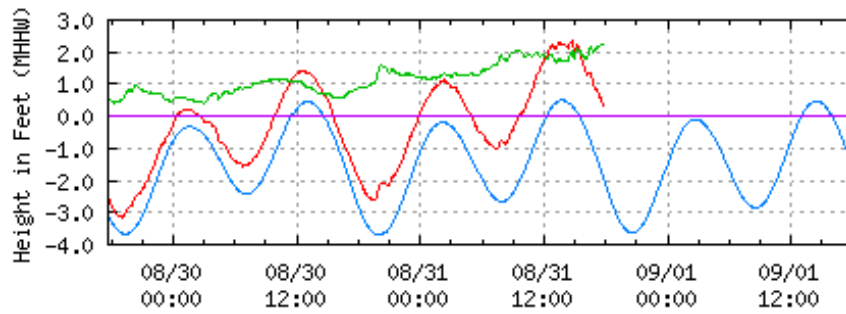
Next complete advisory at 1000 PM CDT.

Forecaster Pasch

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#), [Clearwater Beach - Water Level](#), [Clearwater Beach - Winds](#), [Clearwater Beach - Barometric](#), [St Petersburg, Tampa Bay - Water Level](#), [St Petersburg, Tampa Bay - Winds](#), [St Petersburg, Tampa Bay - Barometric](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Old Port Tampa - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [Naples - Water Level](#), [Naples - Barometric](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [Panama City Beach - Water Level](#), [Panama City Beach - Winds](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Pascagoula NOAA Lab - Water Level](#)

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/31/2016 17:42 (EDT). Data relative to MHHW

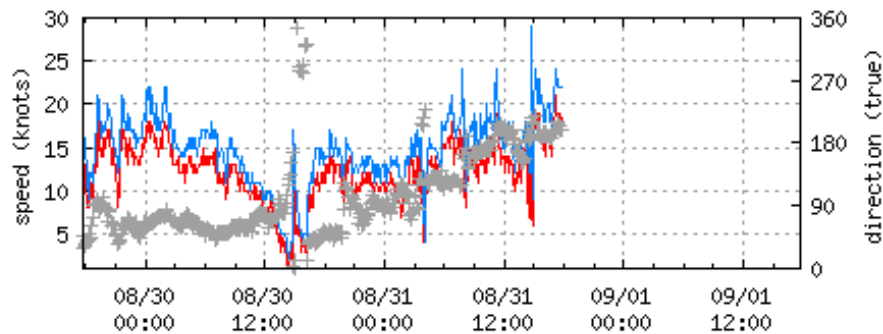
Observed: 0.32 ft. Predicted: -1.89 ft. Residual: 2.21 ft.

Historical Maximum Water Level: Oct 7 1996, 5.15 ft.

Next High Tide: 09/01/2016 02:40 (EDT), -0.10 ft.

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL

Wind Speed / Gusts / Direction

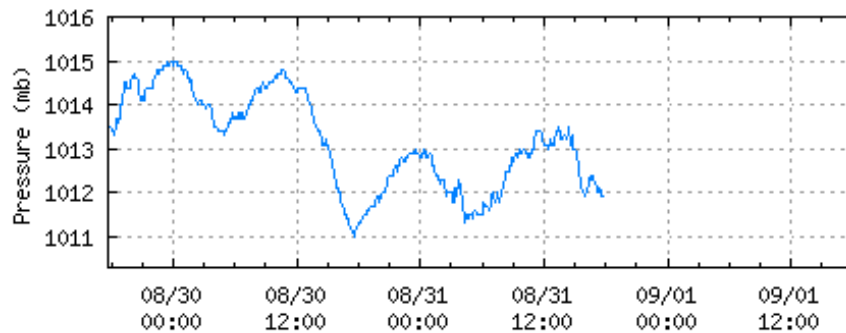


speed — gusts — direction +

Last Observed Sample: 08/31/2016 17:42 (EDT)

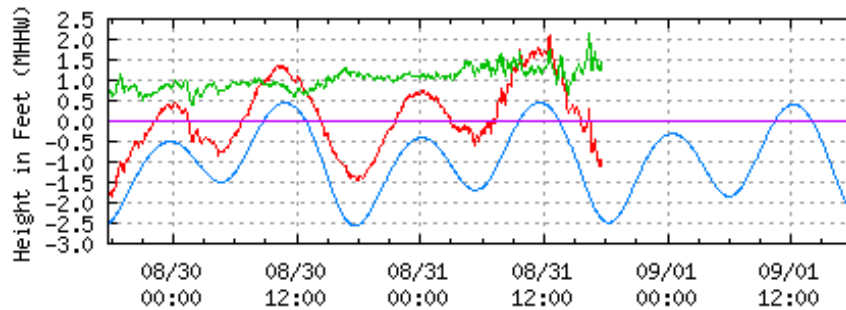
Wind Speed: 18 knots Gusts: 22 knots Direction: 198° T

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL
Barometric Pressure



barometric pressure —
Last Observed Sample: 08/31/2016 17:42 (EDT)
Barometric Pressure: 1011.9 mb

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

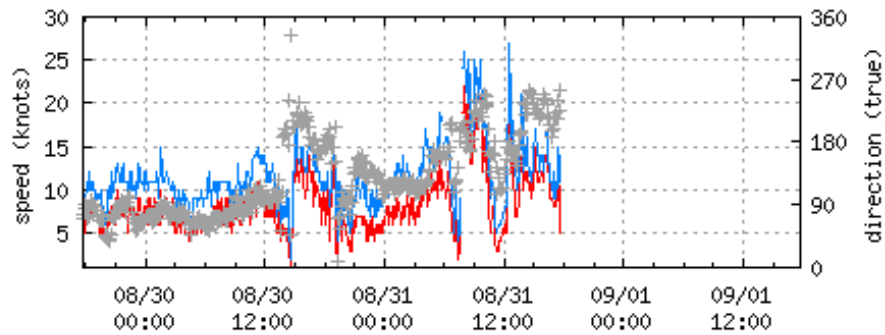


Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/31/2016 17:36 (EDT). Data relative to MHHW
Observed: -0.94 ft. Predicted: -2.40 ft. Residual: 1.46 ft.
Historical Maximum Water Level: Mar 13 1993, 4.00 ft.
Next High Tide: 09/01/2016 00:29 (EDT), -0.31 ft.

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

Wind Speed / Gusts / Direction



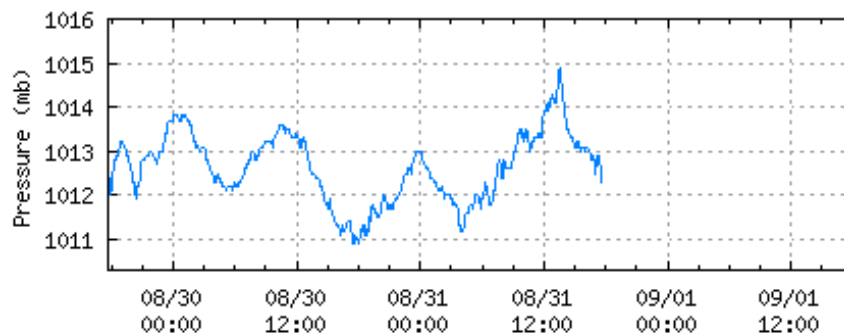
speed — gusts — direction +

Last Observed Sample: 08/31/2016 17:36 (EDT)

Wind Speed: 5 knots Gusts: 11 knots Direction: 226° T

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

Barometric Pressure

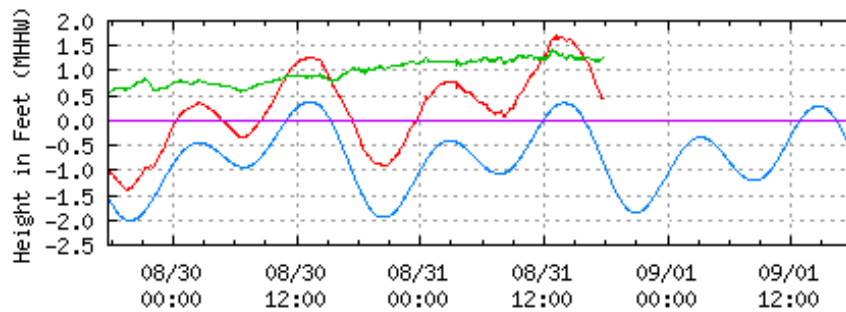


barometric pressure —

Last Observed Sample: 08/31/2016 17:36 (EDT)

Barometric Pressure: 1012.3 mb

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

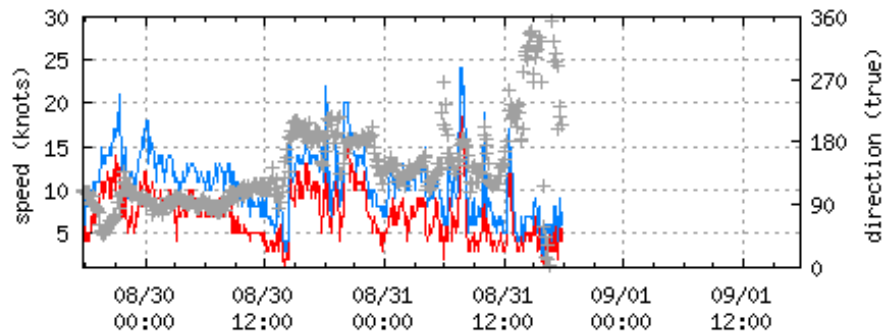
Last Observed Sample: 08/31/2016 17:42 (EDT). Data relative to MHHW

Observed: 0.45 ft. Predicted: -0.82 ft. Residual: 1.27 ft.

Historical Maximum Water Level: Aug 31 1985, 4.00 ft.

Next High Tide: 09/01/2016 03:12 (EDT), -0.34 ft.

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL
Wind Speed / Gusts / Direction

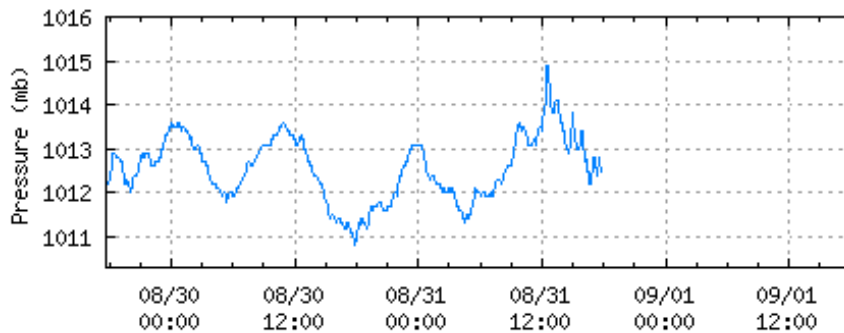


speed ——— gusts ——— direction +

Last Observed Sample: 08/31/2016 17:42 (EDT)

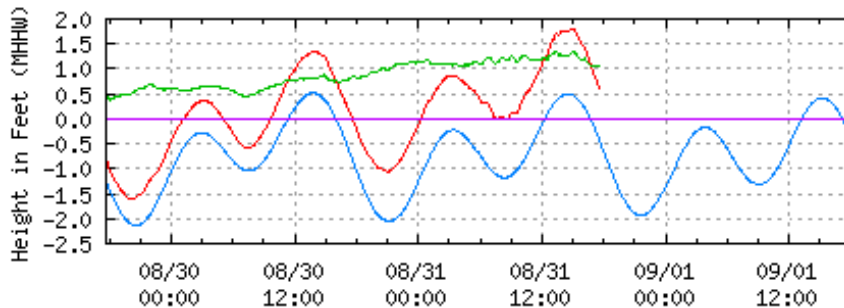
Wind Speed: 4 knots Gusts: 6 knots Direction: 204° T

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL
Barometric Pressure



barometric pressure —
Last Observed Sample: 08/31/2016 17:42 (EDT)
Barometric Pressure: 1012.5 mb

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/31/2016 17:42 (EDT). Data relative to MHHW

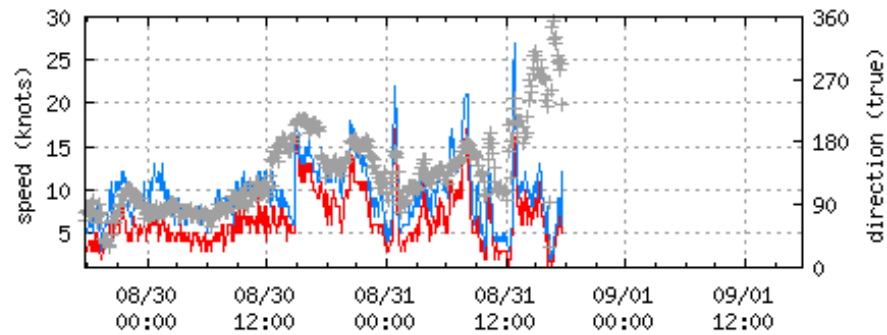
Observed: 0.54 ft. Predicted: -0.50 ft. Residual: 1.04 ft.

Historical Maximum Water Level: Oct 8 1996, 3.60 ft.

Next High Tide: 09/01/2016 03:50 (EDT), -0.18 ft.

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL

Wind Speed / Gusts / Direction



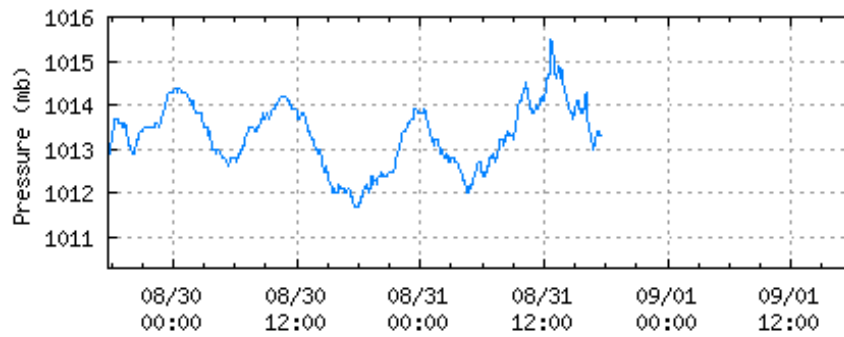
speed — gusts — direction +

Last Observed Sample: 08/31/2016 17:42 (EDT)

Wind Speed: 8 knots Gusts: 12 knots Direction: 224° T

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL

Barometric Pressure

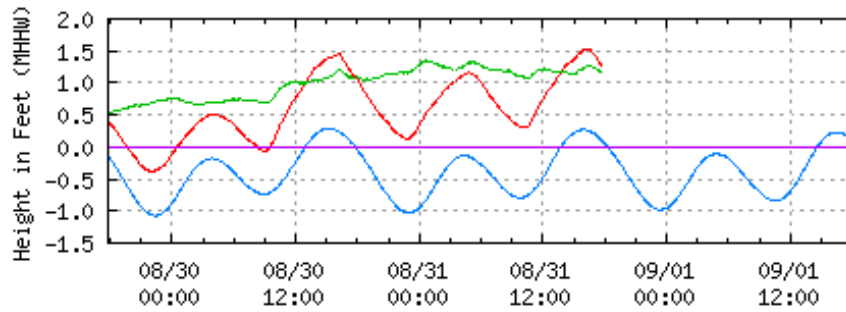


barometric pressure —

Last Observed Sample: 08/31/2016 17:42 (EDT)

Barometric Pressure: 1013.4 mb

NOAA/NOS/CO-OPS 8725520 Fort Myers, FL
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

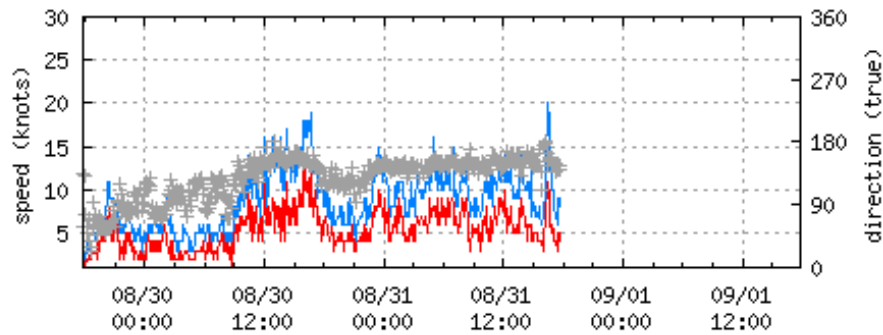
Last Observed Sample: 08/31/2016 17:42 (EDT). Data relative to MHHW

Observed: 1.26 ft. Predicted: 0.10 ft. Residual: 1.16 ft.

Historical Maximum Water Level: Nov 23 1988, 3.41 ft.

Next High Tide: 09/01/2016 04:51 (EDT), -0.11 ft.

NOAA/NOS/CO-OPS 8725520 Fort Myers, FL
Wind Speed / Gusts / Direction

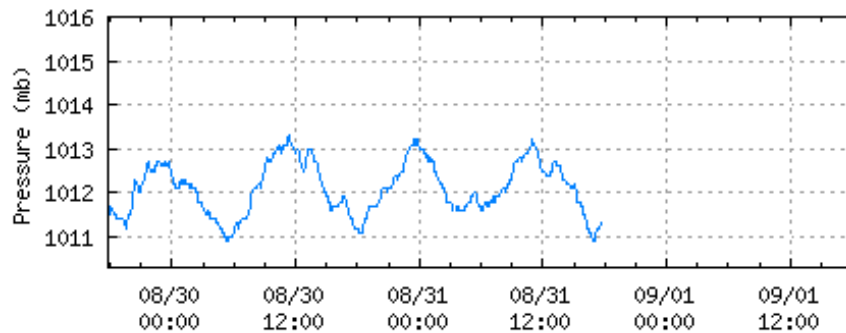


speed — gusts — direction +

Last Observed Sample: 08/31/2016 17:42 (EDT)

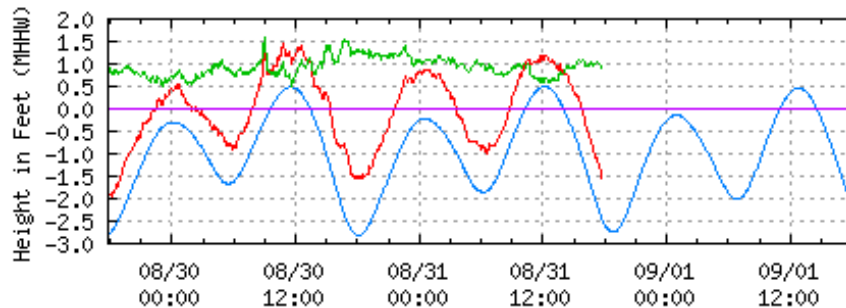
Wind Speed: 5 knots Gusts: 8 knots Direction: 141° T

NOAA/NOS/CO-OPS 8725520 Fort Myers, FL
Barometric Pressure



barometric pressure —
Last Observed Sample: 08/31/2016 17:42 (EDT)
Barometric Pressure: 1011.3 mb

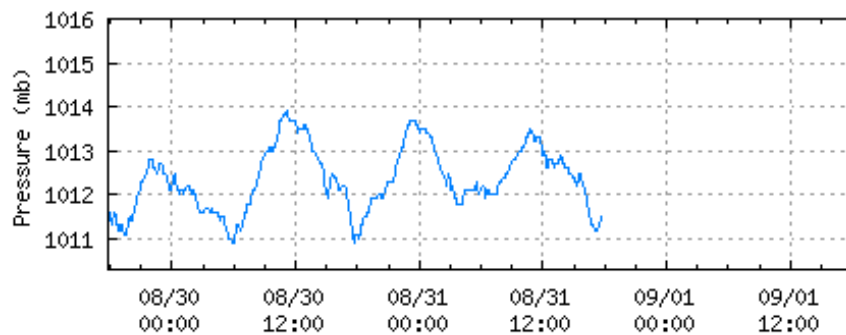
NOAA/NOS/CO-OPS 8725110 Naples, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

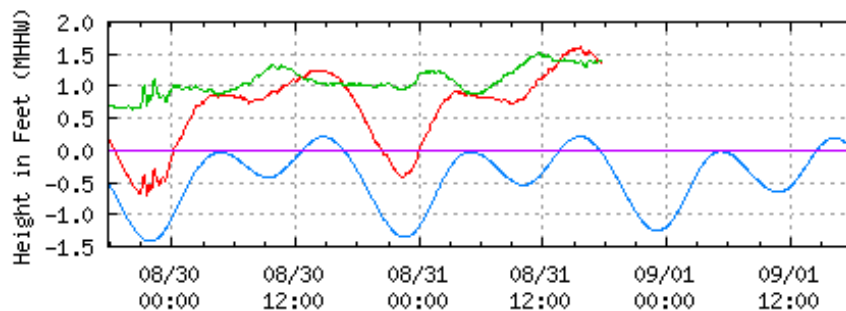
Last Observed Sample: 08/31/2016 17:42 (EDT). Data relative to MHHW
Observed: -1.54 ft. Predicted: -2.44 ft. Residual: 0.90 ft.
Historical Maximum Water Level: Dec 21 1972, 3.11 ft.
Next High Tide: 09/01/2016 00:56 (EDT), -0.14 ft.

NOAA/NOS/CO-OPS 8725110 Naples, FL
Barometric Pressure



barometric pressure —
Last Observed Sample: 08/31/2016 17:42 (EDT)
Barometric Pressure: 1011.5 mb

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/31/2016 17:42 (EDT). Data relative to MHHW

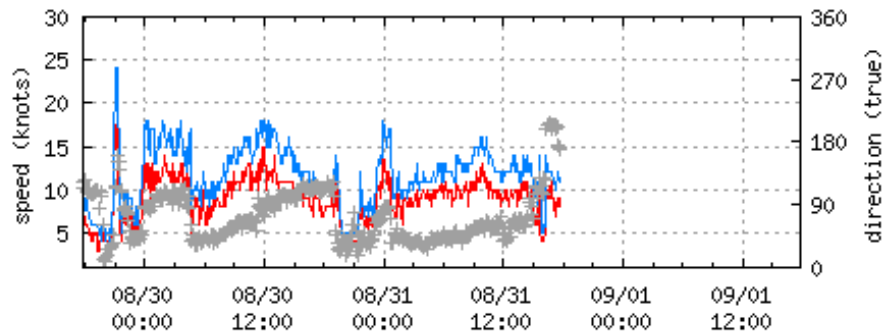
Observed: 1.37 ft. Predicted: -0.04 ft. Residual: 1.41 ft.

Historical Maximum Water Level: Jul 10 2005, 6.43 ft.

Next High Tide: 09/01/2016 05:20 (EDT), -0.02 ft.

NOAA/NOS/CO-OPS 8728690 Apalachicola, FL

Wind Speed / Gusts / Direction



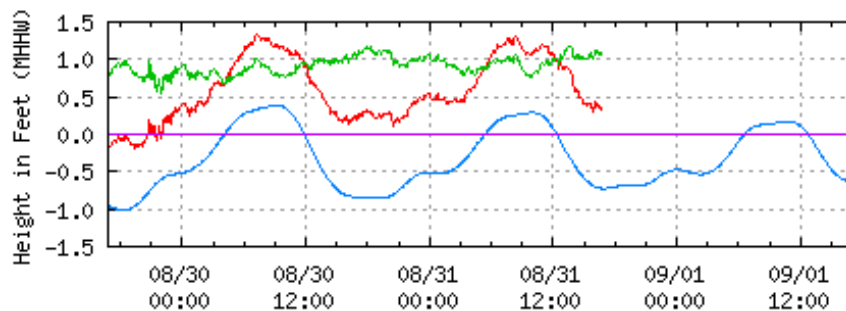
speed — gusts — direction +

Last Observed Sample: 08/31/2016 17:42 (EDT)

Wind Speed: 8 knots Gusts: 11 knots Direction: 173° T

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

Last Observed Sample: 08/31/2016 16:42 (CDT). Data relative to MHHW

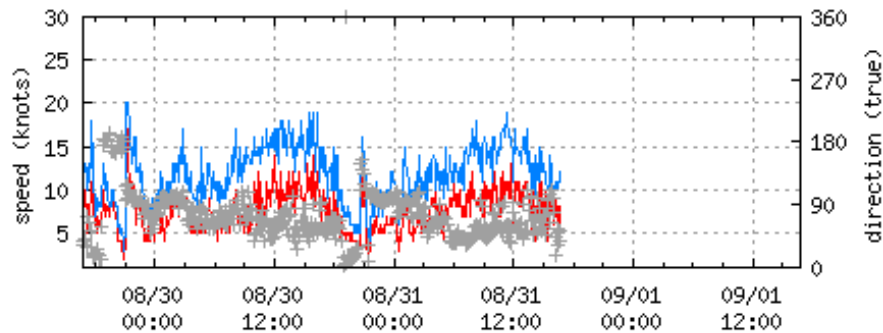
Observed: 0.35 ft. Predicted: -0.73 ft. Residual: 1.08 ft.

Historical Maximum Water Level: Oct 4 1995, 6.84 ft.

Next High Tide: 09/01/2016 00:01 (CDT), -0.47 ft.

NOAA/NOS/CO-OPS 8729210 Panama City Beach, FL

Wind Speed / Gusts / Direction



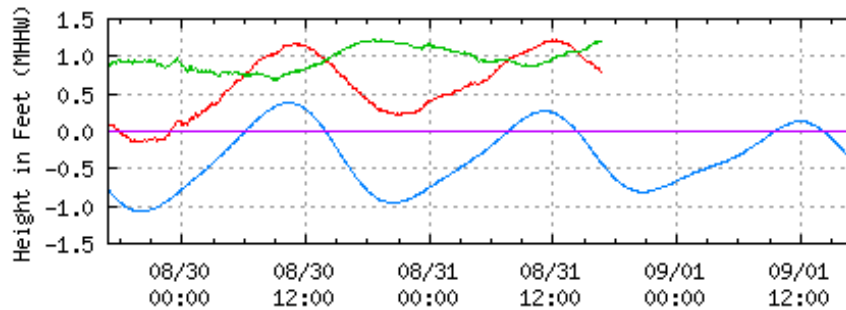
speed — gusts — direction +

Last Observed Sample: 08/31/2016 16:42 (CDT)

Wind Speed: 5 knots Gusts: 12 knots Direction: 53° T

NOAA/NOS/CO-OPS 8729840 Pensacola, FL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

Last Observed Sample: 08/31/2016 16:36 (CDT). Data relative to MHHW

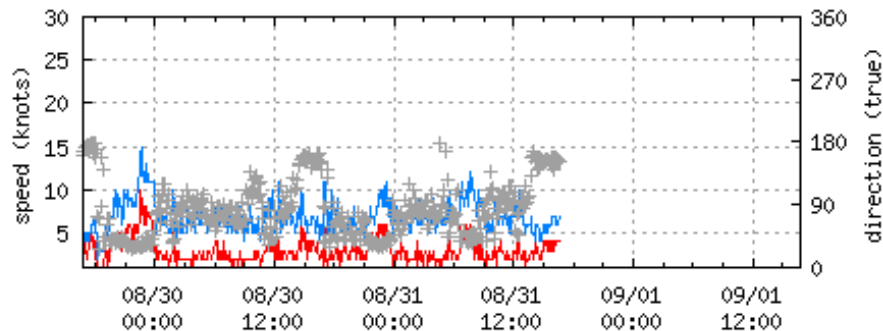
Observed: 0.78 ft. Predicted: -0.41 ft. Residual: 1.19 ft.

Historical Maximum Water Level: Sep 18 1926, 7.41 ft.

Next High Tide: 09/01/2016 11:58 (CDT), 0.13 ft.

NOAA/NOS/CO-OPS 8729840 Pensacola, FL

Wind Speed / Gusts / Direction



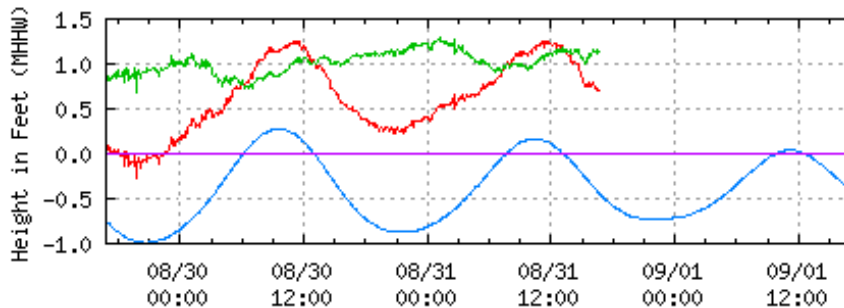
speed — gusts — direction +

Last Observed Sample: 08/31/2016 16:36 (CDT)

Wind Speed: 4 knots Gusts: 7 knots Direction: 153° T

NOAA/NOS/CO-OPS 8735180 Dauphin Island, AL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —

Observed WL —

(Obs-Pred) —

MHHW —

Last Observed Sample: 08/31/2016 16:36 (CDT). Data relative to MHHW

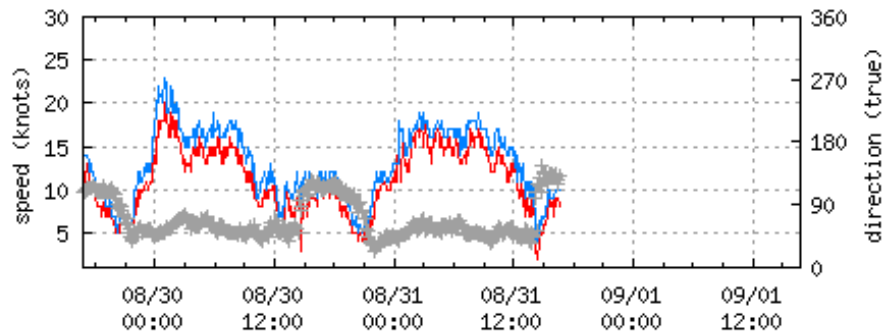
Observed: 0.71 ft. Predicted: -0.43 ft. Residual: 1.14 ft.

Historical Maximum Water Level: Sep 16 2004, 5.94 ft.

Next High Tide: 09/01/2016 11:12 (CDT), 0.04 ft.

NOAA/NOS/CO-OPS 8735180 Dauphin Island, AL

Wind Speed / Gusts / Direction



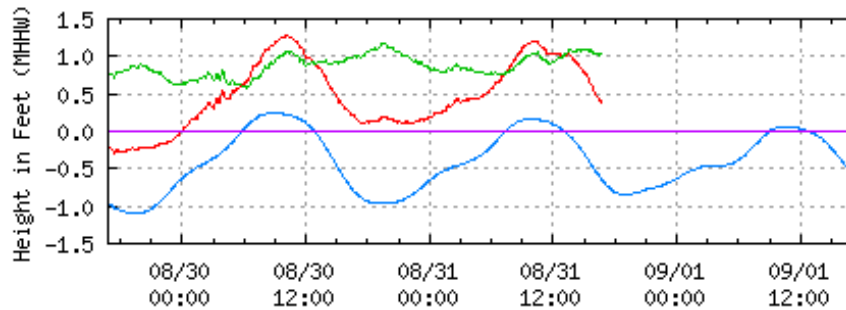
speed — gusts — direction +

Last Observed Sample: 08/31/2016 16:36 (CDT)

Wind Speed: 8 knots Gusts: 10 knots Direction: 132° T

NOAA/NOS/CO-OPS 8741533 Pascagoula NOAA Lab, MS

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

Last Observed Sample: 08/31/2016 16:42 (CDT). Data relative to MHHW

Observed: 0.39 ft. Predicted: -0.65 ft. Residual: 1.04 ft.

Historical Maximum Water Level: Sep 1 2008, 4.90 ft.

Next High Tide: 09/01/2016 10:31 (CDT), 0.06 ft.

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8727520	Cedar Key, FL	08/31/2016 17:42 (EDT)	0.32 ft	-1.89 ft	2.21 ft	2.35 ft
8726724	Clearwater Beach, FL	08/31/2016 17:36 (EDT)	-0.94 ft	-2.40 ft	1.46 ft	2.09 ft
8726520	St Petersburg, Tampa Bay, FL	08/31/2016 17:42 (EDT)	0.45 ft	-0.82 ft	1.27 ft	1.70 ft
8726607	Old Port Tampa, FL	08/31/2016 17:42 (EDT)	0.54 ft	-0.50 ft	1.04 ft	1.81 ft
8725520	Fort Myers, FL	08/31/2016 17:42 (EDT)	1.26 ft	0.10 ft	1.16 ft	1.52 ft
8725110	Naples, FL	08/31/2016 17:42 (EDT)	-1.54 ft	-2.44 ft	0.90 ft	1.20 ft
8728690	Apalachicola, FL	08/31/2016 17:42 (EDT)	1.37 ft	-0.04 ft	1.41 ft	1.61 ft
8729210	Panama City Beach, FL	08/31/2016 16:42 (CDT)	0.35 ft	-0.73 ft	1.08 ft	1.32 ft
8729840	Pensacola, FL	08/31/2016 16:36 (CDT)	0.78 ft	-0.41 ft	1.19 ft	1.22 ft
8735180	Dauphin Island, AL	08/31/2016 16:36 (CDT)	0.71 ft	-0.43 ft	1.14 ft	1.26 ft
8741533	Pascagoula NOAA Lab, MS	08/31/2016 16:42 (CDT)	0.39 ft	-0.65 ft	1.04 ft	1.20 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce